WM-D6C/TC-D6C

SERVICE MANUAL

WM-D6C:
US Model
Canadian Model
AEP Model
UK Model
E Model

TC-D6C:
US Model

SUPPLEMENT

File this Supplement with the Service Manual.

Subject: DOLBY IC (IC101, 201) CHANGE

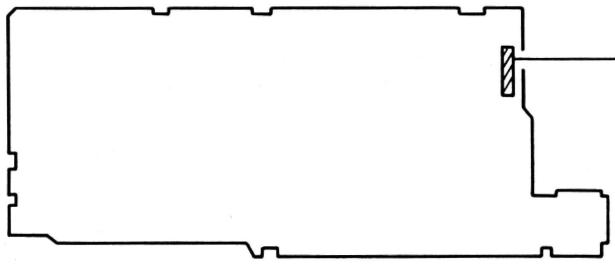
No. 1
January, 1985

	(Former)	(New)
IC101, 102	CX20068 ➡	CX20218

Because of this change, main board and the circuit around DOLBY IC have been changed.

- New or former type can be identified by the part-number suffix of main board.

MAIN BOARD



Former type: 1-611-494-**11**
New type: 1-611-494-**12**

The mounting diagram and the schematic diagram for the main board whose part-number suffix is 12 are given in this suppliment.

As to information for the main board whose part-number suffix is 11, refer to the service manual previously issued.

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STEREO CASSETTE-CORDER

SONY®

English
85A06135-1
Printed in Japan

© 1985

9-951-385-81

Sony Corporation

TC

- **CHANGED PARTS**

Note: Components for right channel is omitted. (Reference numbers are corded from 201.)

Ref. No.	Former (PC Board Suffix-11)	New (PC Board Suffix-12)
	Description	Part No. / Description
C103	TANTALUM 33μF 20% 6.3V	1-124-220-00 ELECT 33μF 20% 4V
C117	CERAMIC 100PF 10% 50V	1-102-108-00 CERAMIC 150PF 10% 50V
C121	CERAMIC 0.022μF 10% 25V	1-161-054-00 CERAMIC 0.018μF 10% 25V
C122	ELECT 2.2μF 20% 50V	1-124-255-00 ELECT 1μF 20% 50V
C123	TANTALUM 0.15μF 10% 35V	1-131-343-00 TANTALUM 0.22μF 10% 35V
C127	TANTALUM 0.15μF 10% 35V	1-131-341-00 TANTALUM 0.1μF 10% 35V
C128	TANTALUM 0.15μF 10% 35V	1-131-343-00 TANTALUM 0.22μF 10% 35V
C129	CERAMIC 0.0047μF 10% 25V	1-161-012-00 CERAMIC 0.0082μF 10% 25V
C134	CERAMIC 560PF 10% 50V	1-102-119-00 CERAMIC 0.0015μF 10% 50V
D101	DIODE 1S1555	———
D201	DIODE 1S1555	———
D301	DIODE HZ3ALL	———
IC101	IC CX20068	8-752-021-80 IC CX20218
IC201	IC CX20068	8-752-021-80 IC CX20218
R134	CARBON 18KΩ 5% 1/6W	1-247-869-00 CARBON 39KΩ 5% 1/6W
R135	CARBON 240KΩ 5% 1/6W	1-247-872-00 CARBON 51KΩ 5% 1/6W
R136	CARBON 240KΩ 5% 1/6W	1-247-891-00 CARBON 330KΩ 5% 1/6W
R137	CARBON 1.8KΩ 5% 1/6W	1-247-831-00 CARBON 1KΩ 5% 1/6W
R138	CARBON 20KΩ 5% 1/6W	1-247-858-00 CARBON 13KΩ 5% 1/6W
R139	CARBON 15KΩ 5% 1/6W	1-247-858-00 CARBON 13KΩ 5% 1/6W
R141	CARBON 560Ω 5% 1/6W	1-247-827-00 CARBON 680Ω 5% 1/6W
R149	CARBON 27KΩ 5% 1/6W	1-247-859-00 CARBON 15KΩ 5% 1/6W
R150	CARBON 22KΩ 5% 1/6W	1-247-871-00 CARBON 47KΩ 5% 1/6W

Ref. No.	Former (PC Board Suffix-11)				New (PC Board Suffix-12)				
	Description				Part No.	Description			
R154	———				1-247-890-00	CARBON	300KΩ	5%	1/6W
R161	CARBON	240Ω	5%	1/6W	1-247-818-00	CARBON	300Ω	5%	1/6W
R170	———				1-247-903-00	CARBON	1MΩ	5%	1/6W
R171	———				1-216-198-00	METAL CHIP	1KΩ	5%	1/8W
R172	———				1-216-081-00	METAL CHIP	22KΩ	5%	1/10W
R312	CARBON	470Ω	5%	1/6W	1-247-826-00	CARBON	620Ω	5%	1/6W
R313	CARBON	390Ω	5%	1/6W	1-247-824-00	CARBON	510Ω	5%	1/6W

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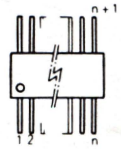
(345) LEVER, SPRING HOOK 3-557-405-00 ➡ 3-305-988-01

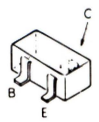
- **Semiconductor lead layouts**

CX10043
CX20218
CX20084
NJM386M
NJM4558M

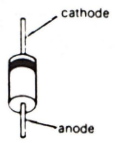


2SA1048-GR
2SB808
2SC2458
2SC2458L-BL

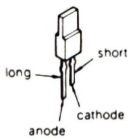
2SC1623



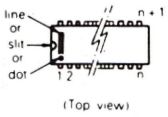
1S1555



GL9PR10

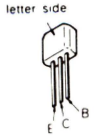


MSM58141RS

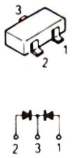


2SB1013
2SC2001

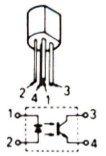
2SD1020



1S2837

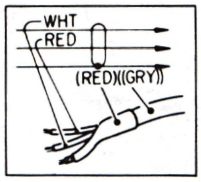


NJL5141E



Note: FOR MOUNTING DIAGRAM

- Color code of sleeving over the end of the jacket.



- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- : B + pattern
- : signal path
- : L-CH signal path
- : R-CH signal path

CORRECTION

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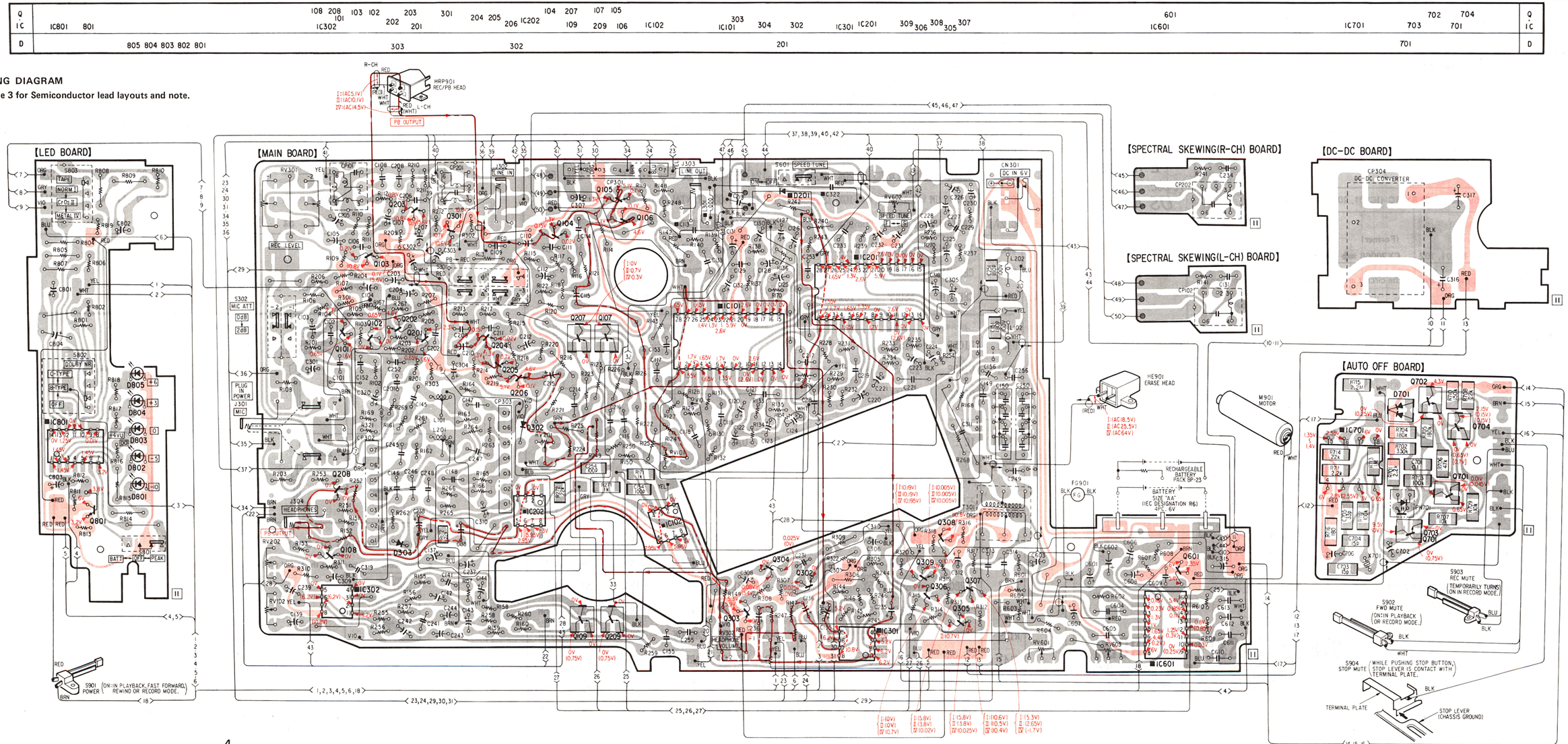
Part number of service manual

9-951-343-11 ➡ 9-951-385-11

WM-D6C/TC-D6C WM-D6C/TC-D6C

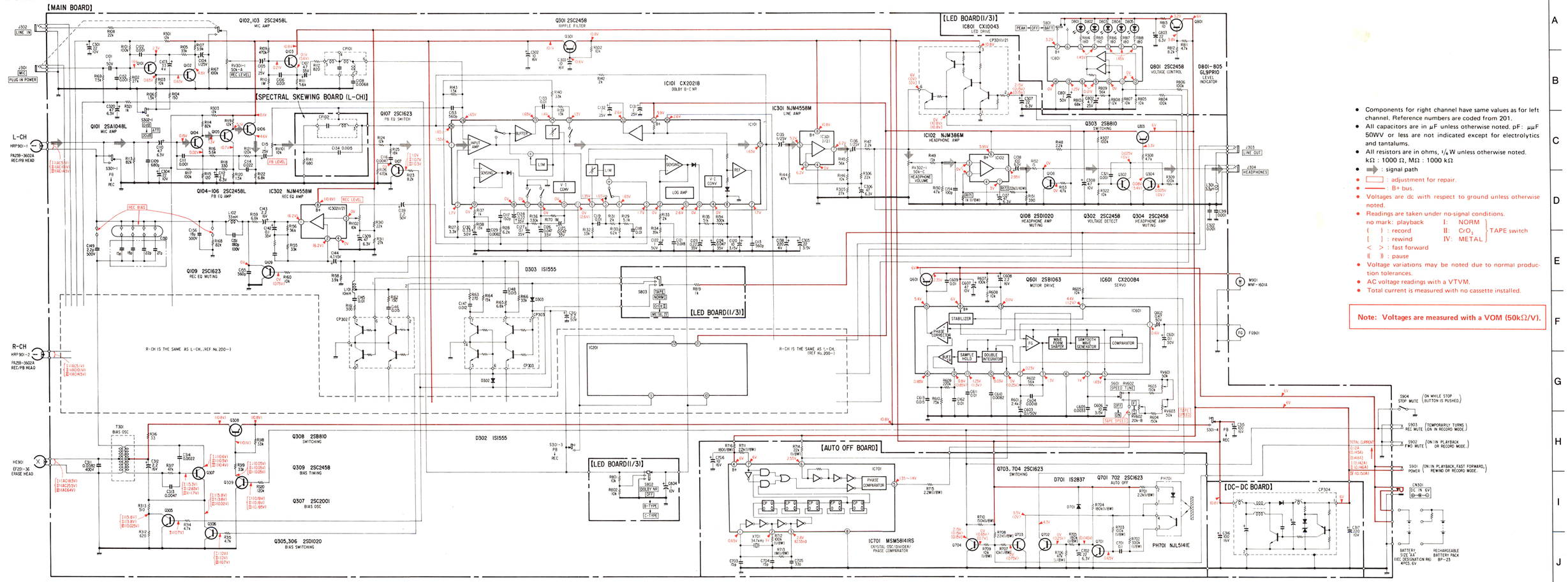
MOUNTING DIAGRAM

- See page 3 for Semiconductor lead layouts and note.



WM-D6C/TC-D6C WM-D6C/TC-D6C

SCHEMATIC DIAGRAM



- Components for right channel have same values as for left channel. Reference numbers are coded from 201.
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, 1/4 W unless otherwise noted. kΩ : 1000 Ω, MΩ : 1000 kΩ
- : signal path
- : adjustment for repair.
- : B+ bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions.
  - no mark: playback
  - ( ) : record
  - [ ] : rewind
  - < > : fast forward
  - (( )) : pause
  - I: NORM, II: CrO_2, IV: METAL } TAPE switch
- Voltage variations may be noted due to normal production tolerances.
- AC voltage readings with a VTVM.
- Total current is measured with no cassette installed.

Note: Voltages are measured with a VOM (50kΩ/V).